

SEQUENCE LISTING

<110> YU, Long

<120> HUMAN HEPATOMA-DERIVED GROWTH FACTOR 5, ITS ENCODING
SEQUENCE, METHOD FOR PRODUCING IT AND THE USES THEREOF

<130> 017216

<150> CN02110535.9

<151> 2002-01-11

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 990

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (5)..(910)

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ttt gcc aaa tta aag ggc tat gcc cat tgg cca gcg agg att gaa cat 97
 Phe Ala Lys Leu Lys Gly Tyr Ala His Trp Pro Ala Arg Ile Glu His
 20 25 30
 gtc act gaa ccc aac cgc tac cag gtg ttc ttc ttc ggg acc cat gag 145
 Val Thr Glu Pro Asn Arg Tyr Gln Val Phe Phe Phe Gly Thr His Glu
 35 40 45
 acc gcc ctg ctg ggc ccc aag cac ctt ttt cct tat gag gag tcc aag 193
 Thr Ala Leu Leu Gly Pro Lys His Leu Phe Pro Tyr Glu Glu Ser Lys
 50 55 60
 gag agg ttc ggc aag cct aac aag agg cgc ggc ttc agt gag ggg ctg 241
 Glu Arg Phe Gly Lys Pro Asn Lys Arg Arg Gly Phe Ser Glu Gly Leu
 65 70 75
 tgg gag atc gag cac gac cct atg gct gag gcc tcc cct tgc ctg tgc 289
 Trp Glu Ile Glu His Asp Pro Met Ala Glu Ala Ser Pro Cys Leu Cys
 80 85 90 95
 cca gat gag gag cag ctt tgt gcc gag gag cca ggg cca gga gag gag 337
 Pro Asp Glu Glu Gln Leu Cys Ala Glu Glu Pro Gly Pro Gly Glu Glu
 100 105 110
 cca gag ccg ggg cag gag ctg gag ccg gaa tcc agg cct gag ctg gaa 385
 Pro Glu Pro Gly Gln Glu Leu Glu Pro Glu Ser Arg Pro Glu Leu Glu
 115 120 125
 tcc atg cct gag ctg gag gca gaa ccg agg cct gag aaa gag tgt gag 433
 Ser Met Pro Glu Leu Glu Ala Glu Pro Arg Pro Glu Lys Glu Cys Glu
 130 135 140
 cag gag ccg gag cag gag ccg gag cag gag ctg gag cag gag ccg gag 481
 Gln Glu Pro Glu Gln Glu Pro Glu Gln Glu Leu Glu Gln Glu Pro Glu
 145 150 155
 ctg gag ccg gag ccg gag ccg gag ccg gag ccg gag ccc gag 529
 Leu Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu
 160 165 170 175
 ccc gag ccg gag ccg gag ccc cag cct gcc tat gac cta ctg gat gcc 577

Pro Glu Pro Glu Pro Glu Pro Gln Pro Ala Tyr Asp Leu Leu Asp Ala
 180 185 190
 aag gag gag cct ggc ctc att gag gcc gag cca gga gat cag caa gcc 625
 Lys Glu Glu Pro Gly Leu Ile Glu Ala Glu Pro Gly Asp Gln Gln Ala
 195 200 205
 gag caa gtg cga gag cag cac gct gaa gct gag gtc atg gct gta gtg 673
 Glu Gln Val Arg Glu Gln His Ala Glu Ala Glu Val Met Ala Val Val
 210 215 220
 gag gag ccg gag agt ctg aag agg agc gcg gag gat gaa cag cct cac 721
 Glu Glu Pro Glu Ser Leu Lys Arg Ser Ala Glu Asp Glu Gln Pro His
 225 230 235
 agt cct ccc aaa cgg ccc agg gag gcg gcg cct ggc gcg ctg gag atg 769
 Ser Pro Pro Lys Arg Pro Arg Glu Ala Ala Pro Gly Ala Leu Glu Met
 240 245 250 255
 gag ccg gct gga gag cgc gag gca gag gcc tgc ccc ttc gtg gag gag 817
 Glu Pro Ala Gly Glu Arg Glu Ala Glu Ala Cys Pro Phe Val Glu Glu
 260 265 270
 cct gac caa gcc cag gaa cag cag act ccg ttg gaa gaa gag gcc aca 865
 Pro Asp Gln Ala Gln Glu Gln Gln Thr Pro Leu Glu Glu Glu Ala Thr
 275 280 285
 gag gag gca gtc cag ggc ctg atg gtt gga gaa atc gaa ggc ctg 910
 Glu Glu Ala Val Gln Gly Leu Met Val Gly Glu Ile Glu Gly Leu
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<212> PRT

<213> Homo sapiens

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Ala Lys Leu Lys Gly Tyr Ala His Trp Pro Ala Arg Ile Glu His Val
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Thr Glu Pro Asn Arg Tyr Gln Val Phe Phe Gly Thr His Glu Thr
35 40 45
Ala Leu Leu Gly Pro Lys His Leu Phe Pro Tyr Glu Glu Ser Lys Glu
50 55 60
Arg Phe Gly Lys Pro Asn Lys Arg Arg Gly Phe Ser Glu Gly Leu Trp
65 70 75 80
Glu Ile Glu His Asp Pro Met Ala Glu Ala Ser Pro Cys Leu Cys Pro
85 90 95
Asp Glu Glu Gln Leu Cys Ala Glu Glu Pro Gly Pro Gly Glu Glu Pro
100 105 110
Glu Pro Gly Gln Glu Leu Glu Pro Glu Ser Arg Pro Glu Leu Glu Ser
115 120 125
Met Pro Glu Leu Glu Ala Glu Pro Arg Pro Glu Lys Glu Cys Glu Gln
130 135 140
Glu Pro Glu Gln Glu Pro Glu Gln Glu Leu Glu Gln Glu Pro Glu Leu
145 150 155 160
Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro
165 170 175
Glu Pro Glu Pro Glu Pro Gln Pro Ala Tyr Asp Leu Leu Asp Ala Lys
180 185 190
Glu Glu Pro Gly Leu Ile Glu Ala Glu Pro Gly Asp Gln Gln Ala Glu
195 200 205
Gln Val Arg Glu Gln His Ala Glu Ala Glu Val Met Ala Val Val Glu
210 215 220

Glu Pro Glu Ser Leu Lys Arg Ser Ala Glu Asp Glu Gln Pro His Ser
 225 230 235 240
 Pro Pro Lys Arg Pro Arg Glu Ala Ala Pro Gly Ala Leu Glu Met Glu
 245 250 255
 Pro Ala Gly Glu Arg Glu Ala Glu Ala Cys Pro Phe Val Glu Glu Pro
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 Glu Ala Val Gln Gly Leu Met Val Gly Glu Ile Glu Gly Leu
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<213> Artificial sequence

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<223> primer

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<222> (1)..(21)

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<222> (1)..(27)

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